Before the FEDERAL COMMUNICATIONS COMMISSION Washington, D.C. 20554

In the Matter of)	
)	
Revision of the Commission's)	CC Docket No. 94-102
Rules To Ensure Compatibility	·)	
With Enhanced 911 Emergency)	
Calling Systems)	

METROPCS, INC. PETITION FOR PARTIAL WAIVER OF E911 PHASE II IMPLEMENTATION MILESTONES

METROPCS, INC.

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November 30, 2001

^{*/} Not yet admitted in DC.

TABLE OF CONTENTS

I.	Introduction and Summary	2
II.	MetroPCS's E911 Phase II Solution	4
III.	Availability of Solution	6
	A. Availability of Solution Handsets	6
	B. Availability of Solution Network	8
IV.	Detailed Implementation Schedule	9
	A. Handsets	9
	B. Network	10
	C. PSAP Interface	11
	D. Testing and Verification	11
v.	Existing Handsets	11
VI.	Non-Compliant Handsets	12
VII	. Other	12
VII	I. Conclusion	13
Att	achments	

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MetroPCS, Inc., by its attorneys, and on behalf of itself and its fourteen indirect, wholly-owned license holding subsidiaries. (collectively, "MetroPCS"), hereby seeks a partial waiver of the Commission's E911 Phase II rules, 47 C.F.R. § 20.18. As discussed more fully below, despite its diligent efforts to ensure that it will be fully compliant with the Commission's E911 Phase II requirements when it commences service early next year, MetroPCS will be unable to fulfill the E911 Phase II requirements by the interim deadlines. Consistent with the current state of industry progress towards implementation, MetroPCS nevertheless has worked closely with its vendors to develop an alternative implementation plan

MetroPCS's indirect, wholly-owned, license holding subsidiaries are as follows: GWI PCS 1, Inc., GWI PCS 2, Inc., GWI PCS 3, Inc., GWI PCS 4, Inc., GWI PCS 5, Inc., GWI PCS 6, Inc., GWI PCS 7, Inc., GWI PCS 8, Inc., GWI PCS 9, Inc., GWI PCS 10, Inc., GWI PCS 11, Inc., GWI PCS 12, Inc., GWI PCS 13, Inc., GWI PCS 14, Inc.

Under the Commission's rules, CMRS carriers utilizing handset or hybrid technologies must begin implementing E911 Phase II capabilities as of October 1, 2001. See 47 C.F.R. § 20.18(g). Specifically, carriers must (1) begin selling and activating location-capable handsets no later than October 1, 2001; (2) ensure that at least 25 percent of all new handsets activated are location-capable no later than December 31, 2001; (3) ensure that at least 50 percent of all new handsets activated are location-capable no later than June 30, 2002; and (4) ensure that 100 percent of all new digital handsets activated are location-capable no later than December 31, 2002. *Id*.

that is "specific, focused, and limited in scope, with a clear path to full compliance" with the E911 requirements. MetroPCS therefore seeks a partial waiver of the E911 Phase II rules to allow MetroPCS to adopt and implement the alternative plan outlined in this petition. 4/

I. INTRODUCTION AND SUMMARY

MetroPCS is a small business formed in 1994 for the purpose of acquiring PCS licenses to provide wireless telecommunications services in major metropolitan areas. MetroPCS holds 14 C Block PCS licenses covering three primary market areas: Atlanta, South Florida, and San Francisco/Sacramento, and plans to launch commercial service in early 2002. MetroPCS intends to be a low cost wireless service provider with a target customer base of consumers and businesses who primarily need local wireless telecommunications services. By focusing on this still underserved sector of the telecommunications marketplace, MetroPCS hopes to attract customers who, in the past, have been reluctant or unable to subscribe to wireless service because of the relatively high cost of most wireless plans. MetroPCS is confident that its business model will allow the company to reduce or eliminate the existing gap between wireless

See Public Notice, "Wireless Telecommunications Bureau Provides Guidance on Filings by Small and Mid-Sized Carriers Seeking Relief from Wireless E911 Phase II Automatic Location Identification Rules," DA 01-2459 (rel. October 19, 2001) (citing Revisions of the Commission's Rules to Ensure Compatibility with Enhanced 911 Emergency Calling Systems, CC Docket No. 94-102, Fourth Memorandum Opinion and Order, 15 FCC Rcd 17442, 17457 (2000) ("E911 Fourth Memorandum Opinion and Order").

Because MetroPCS has yet to commence service, it was not required to file an Implementation Report detailing its plans for Phase II compliance. See 47 C.F.R. § 20.18(i). Because the FCC has instructed carriers to file waivers in the manner of the Reports, this petition is styled to include the information required in such Reports. As a new carrier, MetroPCS has not yet filed an FCC Form 431 (TRS Fund Worksheet) and therefore has not yet been assigned a TRS number. Contact information for all E911 inquiries is set forth below. Id.

Each of MetroPCS's 14 licenses is for 30 MHz. In September 2001, MetroPCS sought Commission approval to disaggregate 10 MHz of the spectrum covered by its Atlanta license (BTA 024, Call Sign KNLF557) to Cascade Wireless, LLC. That request remains pending, although to MetroPCS's knowledge, no party has opposed it. See File Number 0000591641.

and wireline pricing and bring wireless services to many who otherwise would not choose to purchase them.

MetroPCS is on target to launch commercial operation using CDMA 1XRTT capabilities early in 2002. Consequently, MetroPCS will be among the first all-1XRTT network carriers. The 1XRTT technology best provides the capacity needed to meet the anticipated demand for MetroPCS's wireless offerings. However, in light of the fact that a smaller universe of handset vendors currently offer 1XRTT handsets, MetroPCS's selection of 1XRTT technology has, for the short term, limited the number of vendors with whom MetroPCS can work in pursuing its network buildout, including its implementation of E911 capabilities. For this reason, and in order to keep its costs and retail prices as low as possible, MetroPCS intends at service launch to utilize only one handset vendor and one handset model. Although MetroPCS has worked with major, respected handset vendors, and will continue to do so, none of them currently have compliant equipment available on a timeframe that would allow it to meet the Commission's initial E911 Phase II implementation milestones when it commences service.

MetroPCS is fully committed to rapid implementation of E911 services and has engaged TeleCommunications Systems ("TCS") as vendor and Project Manager for provision of E911 Phase I services. Substantial progress already has been made. MetroPCS is installing a network that will be capable of providing E911 Phase I services at launch. Furthermore, MetroPCS is in the process of notifying the PSAP coordinators in its service areas of its timeframe for commercial launch, and will fully cooperate with their valid requests for E911 service. As a result, MetroPCS intends to be ready to provide E911 Phase I services at launch for valid PSAP requests that are received.

The Commission has indicated that a waiver of its E911 rules may be granted for good cause shown. Specifically, a waiver is appropriate where a carrier shows that special circumstances warrant a deviation from the general rule, and such a deviation will serve the public interest. In the case of E911, the Commission has recognized that there may be instances where technology-related issues or exceptional circumstances mean that deployment of Phase II may not be possible by October 1, 2001, and has indicated that these cases may be dealt with through individual waivers. In filing this waiver petition, MetroPCS has complied with the Commission's direction that waivers of the E911 Phase II milestones should be "focused and limited in scope, and with a clear path to full compliance." As noted above and discussed below, MetroPCS is seeking a reasonable, limited waiver, and has set forth the specific compliance steps it will pursue. As required, MetroPCS also has demonstrated the "concrete steps" it has made and will make towards compliance. MetroPCS accordingly submits that its waiver petition complies fully with the Commission's general and specific requirements and that the overall state of industry developments and its individual circumstances warrant the Commission's grant of a partial waiver of its E911 Phase II obligations.

II. METROPCS'S E911 PHASE II SOLUTION

As a new entrant that has not yet commenced service, MetroPCS has had the benefit of drawing upon the experiences of other carriers, industry vendors, and the Commission with

E911 Fourth Memorandum Opinion and Order, 15 FCC Rcd at 17457.

^½ Id.

Id.

² Id.

<u>10</u>/ *Id*.

respect to E911 implementation. In choosing its E911 Phase II solution, MetroPCS thoroughly examined network-only approaches and network-handset hybrid approaches utilizing Assisted GPS ("A-GPS") handsets. MetroPCS also briefly considered a handset-only approach, but did not pursue it due to the lack of availability of fully-capable GPS handsets and industry analyses indicating that GPS systems did not provide accurate location information in downtown urban areas; in light of MetroPCS's San Francisco and Atlanta service areas, this impediment precluded the use of handset-only approaches.

MetroPCS also ultimately ruled out a network-only approach. A network-only approach senses the signal from a handset and uses triangulation methodology from multiple cell sites to determine location. MetroPCS determined that the network approach is not as accurate in identifying a customer's location as a hybrid approach. Also, the rural portions of MetroPCS's market areas do not have enough cell sites for triangulation. Furthermore, in such regions, many of its cell sites will be positioned along highways in a linear fashion, which could make accurate triangulation difficult. These technical problems, in addition to the significant upfront capital requirements necessary to install equipment in each cellular base station, make the network-only approaches unfeasible for MetroPCS.

Consequently, MetroPCS intends to use the network-handset hybrid approach as the most cost-effective and accurate solution for providing E911 Phase II services for its service areas and target customer base. The hybrid approach utilizes a handset with A-GPS capability. The handset receives information from GPS satellites and passes the information to the network. The network interprets the data and calculates location coordinates. Calling number and location coordinates then can be passed to the appropriate PSAP. MetroPCS anticipates, based on publicly available test results, that the hybrid approach will exceed the location accuracy

requirements of the E911 Phase II rules, and can be provided efficiently throughout the network. As discussed more fully below, MetroPCS will conduct its own testing once its network is operational.

III. AVAILABILITY OF SOLUTION

A. Availability of Solution – Handsets

MetroPCS has consulted with a number of major handset manufacturers regarding the availability of A-GPS handsets. The discussions with the vendor community have been shaped by the specific environment in which MetroPCS is operating, including its relatively small size compared to other major carriers, the requirement that its handsets be CDMA 1XRTT capable, the initial volume of handsets that MetroPCS anticipates purchasing, and its need for handsets to be delivered in December 2001 in preparation for its launch of service early in 2002.

As the Commission is well aware, handsets with an A-GPS capability are just now coming to the retail market. Samsung recently introduced a product utilizing the Qualcomm 3300 chipset that is A-GPS capable. However, the Qualcomm 3300 chipset does not support 1XRTT technology. Moreover, in any event, Samsung's production capacity for the handset containing the 3300 chipset is dedicated to another major carrier. Samsung has made clear in its discussions with MetroPCS that it currently prefers to supply only those carriers who can order a large number of handsets. MetroPCS simply cannot commit to purchases at such volumes. As a result, Samsung is unwilling to pursue a relationship with MetroPCS at this time.

In October 2001, Qualcomm announced the launch of its 5100 chipset, which is A-GPS capable as well as CDMA 1XRTT capable. Consequently, MetroPCS has had discussions with a number of handset manufacturers that plan to utilize this chipset in their forthcoming products. Kyocera is developing a handset utilizing the 5100 chipset, which it projects can be available to

MetroPCS in the third quarter of 2002.¹¹ Audiovox has developed a handset utilizing the 5100 chipset, the CDM-9155X; however, all of its initial production is dedicated to two major nationwide carriers. This handset may be available to MetroPCS in limited quantities in the second quarter of 2002.¹² MetroPCS has not entered into discussions with Audiovox to determine pricing and availability of commercial quantities. Motorola has a 5100 chipset handset under development which it projects will be available to MetroPCS in the third quarter of 2002.¹³ LG InfoComm also is developing a handset utilizing the 5100 chipset which it projects will be available to MetroPCS at the beginning of the fourth quarter of 2002.^{14/} Only several days prior to the filing of this petition, Ericsson indicated that it projected that its 5100 handset will be available to MetroPCS at the end of the second quarter of 2002.¹⁵ Nokia is projecting availability of its 5100 handset in the first quarter of 2003.¹⁶

Based on its considered judgment concerning these vendors' actual ability to deliver E911 Phase II capable handsets that support 1XRTT technology in commercial quantities, MetroPCS has placed orders with Kyocera. MetroPCS will continue to work closely with all appropriate vendors to ensure that it has access to sufficient numbers of handsets to meet its customer demand and the handset mileposts set forth in this petition. MetroPCS remains concerned, however, that over the coming months handset manufacturers may not be able to

See Attachment A.

See Attachment B.

See Attachment C.

See Attachment D.

See Attachment E. Until this recent notification, Ericsson's estimates for handset delivery were for the fourth quarter of 2002.

See Attachment F.

See Attachment G.

satisfy all carriers' demand for handsets utilizing the 5100 chipset, and that significant portions of such manufacturers' production may be dedicated to the major nationwide carriers. Under such circumstances, it is likely that smaller carriers, such as MetroPCS, may not receive adequate allocations of A-GPS-capable handsets on a timely basis.

B. Availability of Solution – Network

MetroPCS has conducted research to analyze the capabilities of various vendors for MPC and PDE equipment and services. This continuing effort has entailed a review of the available vendor information and published industry reports, detailed discussions with a number of vendors, including Lucent and TCS, and informal discussions with other major industry players.

MetroPCS is utilizing Lucent as its sole switching vendor. Switches in all three of its market areas have been installed in preparation for launch of service. The E911 ECP software which supports E911 Phase I and Phase II capability was installed with these switches. In addition, MetroPCS has installed the CDMA enhancement for GeoLocation and network support for Phase I location of legacy mobiles using EFLT.

As noted above, MetroPCS has selected TCS, which utilizes the XYPoint solution, as its Mobile Position Center ("MPC") vendor for E911 Phase I services at launch. TCS, like other MPC and Position Determining Equipment ("PDE") vendors, currently supports E911 Phase II services, either through direct provisioning of equipment and software, or by providing such capability on a service bureau approach.

IV. DETAILED IMPLEMENTATION SCHEDULE

In light of the factors discussed above, MetroPCS has developed an alternative schedule for E911 Phase II service implementation that proposes only modest adjustments to the schedule set forth in the Commission's rules. As the Commission has directed, MetroPCS's alternative schedule is specific, focused, and limited in scope, and charts a clear course to compliance with the Commission's E911 Phase II requirements. Although MetroPCS's alternative schedule requires a waiver for the initial implementation milestones, it meets the final implementation deadline, which calls for 95 percent of carrier's handsets being location specific capable by the end of 2005.

A. Handsets

As set forth above, A-GPS handsets will not be available to MetroPCS when it launches service early in 2002. MetroPCS clearly is not large enough to significantly influence the production schedules of handset manufacturers. Consequently, MetroPCS has developed the following schedule for its deployment of location capable handsets:

- Begin selling A-GPS handsets no later than October 1, 2002. Based upon its most current information, MetroPCS anticipates that A-GPS capable handsets will become available during the third quarter of 2002. MetroPCS needs to evaluate such handsets once they are available, test them on its networks, and enter them into the company's distribution channels. MetroPCS's commitment will be dependant on the availability of A-GPS handsets from suppliers in quantities that support commercial distribution.
- 25 percent of new activations with A-GPS handsets by November 30, 2002. Once available and tested on the network, MetroPCS will move immediately to make A-GPS handsets a significant portion of its product offering. This commitment is dependant on the continued availability from suppliers of A-GPS handsets.
- 50 percent of new activations with A-GPS handsets by March 31, 2003. This commitment is dependant on the continued availability from suppliers of A-GPS handsets.

- 100 percent of new activations with A-GPS handsets by December 31, 2003. If MetroPCS is still selling non compliant handsets at the start of 2003, MetroPCS intends to phase out sales of all non-location specific capable handsets throughout that year so that by year end all handsets sold will be A-GPS capable. This commitment is dependant on the continued availability from suppliers of A-GPS handsets.
- 95 percent of all MetroPCS customers with A-GPS handsets by December 31, 2005.

MetroPCS has not yet commenced commercial operations, and thus it has no existing customer data upon which it can base accurate predictions concerning its customers' handset purchasing behavior. Nonetheless, if MetroPCS experiences customer churn and handset lifecycle experience consistent with current industry norms, such churn and handset replacement patterns should naturally work so that MetroPCS is able to meet these penetration mileposts.

MetroPCS will monitor its supply of compliant handsets from vendors and its customer handset purchasing data to determine whether it is meeting its targets.

18/

B. Network

The MetroPCS network will be capable of providing E911 Phase I services at launch, and it will be able to fulfill valid Phase I requests from PSAP coordinators. As noted above, MetroPCS's Lucent switching equipment has been installed with all necessary software for E911 Phase II. MPC and PDE vendor selection and installation for E911 Phase II capabilities will occur during the second and third quarter of 2002. Integration of the various components of the network will be undertaken so that the system is completely operational by the time A-GPS handsets are available for purchase by subscribers.

While MetroPCS is committed to offering Phase II compliant handsets in the timeframes outlined above, if its vendors do not supply adequate quantities of compliant handsets, it may be necessary for MetroPCS to seek additional limited relief of these implementation mileposts.

C. PSAP Interface

MetroPCS has worked with its vendor, TCS, to identify all ILEC selective routers in its three market areas. MetroPCS is utilizing this information to be prepared to order the connecting facilities for valid PSAP requests for E911 Phase I services. Once infrastructure components, including the MPC and PDE capability, are operational, and handsets are available, MetroPCS will be prepared to complete all valid E911 Phase II PSAP requests by November 30, 2002 (for requests received before May 31, 2002). Valid PSAP requests received after May 31, 2002 will be fulfilled within six months, as required by the FCC's rules.

D. Testing and Verification

Because compliant handsets are not yet available, MetroPCS has not yet tested or verified its E911 Phase II hybrid approach. Once vendor selection is complete, MetroPCS will work with its vendors to develop a testing and verification plan that is consistent with FCC requirements.

V. EXISTING HANDSETS

As discussed above, MetroPCS intends to launch service early in 2002 with handsets supplied by Kyocera, which utilize CDMA 1XRTT capabilities and the Qualcomm 5105 chipset. These handsets will not be E911 Phase II A-GPS compliant. MetroPCS will be prepared to provide E911 Phase I services to PSAPs for these handsets. MetroPCS will continue to provide E911 Phase I services for these 5105 handsets as long as they are active on the MetroPCS system. As noted above, MetroPCS will monitor its embedded base of handsets to ensure that it will be in compliance with the FCC's requirements that 95% of all customers have location specific capable handsets by December 2005.

VI. NON-COMPLIANT HANDSETS

The MetroPCS network is CDMA 1XRTT capable, operating in the "C" block of the PCS spectrum. Calls to 911 from handsets from any wireless user that can be recognized by the MetroPCS network will be passed as required to the appropriate PSAP with E911 Phase I information where arrangements are in place. Once the network is E911 Phase II capable, if a handset is 1XRTT capable, with A-GPS technology, E911 Phase II location information for such handsets will be provided to the appropriate PSAP that supports E911 Phase II.

VII. OTHER

MetroPCS has initiated contact with the PSAP coordinators in its three market areas, and is cooperating with them to ensure a smooth implementation of E911 services for its customers. As of the date of this filing, MetroPCS has received one valid request for E911 Phase I and Phase II services, from the City & County of San Francisco (California). In addition, as a result of its proactive approach in contacting PSAP coordinators in the MetroPCS projected service areas, MetroPCS has received requests for E911 Phase I services from Miami-Dade County (Florida) and Charlotte County (Florida). As noted above, MetroPCS will be able to provide Phase I location information in response to these and other valid PSAP requests upon its commencement of service, and will be able to provide Phase II information in response to this and other valid PSAP requests consistent with the schedule outlined above. While MetroPCS has not yet received Phase I or Phase II requests in Georgia, MetroPCS has received notice from numerous counties in Georgia that enabling referendums have been enacted to allow for their cost recovery of 911 emergency services. MetroPCS also has received a request for contact

See Attachment H.

See Attachments I and J.

information from the Georgia Emergency Management Agency. That request, and all other inquiries regarding MetroPCS's E911 compliance, will be directed to Mr. Dennis G. Spickler, Vice President and CFO, MetroPCS, Inc., 8144 Walnut Hill Lane, Suite 800, Dallas, TX 75231 (Phone: 214-265-2564; Fax: 214-265-2570; e-mail: dspickler@metropcs.com).

VIII. CONCLUSION

As detailed above, MetroPCS has worked hard to ensure that it is fully compliant with all FCC requirements when it launches service early next year. Like the majority of other carriers who have chosen hybrid solutions, MetroPCS has encountered difficulties in securing vendor commitments for compatible equipment. Thus, its full compliance with the Commission's E911 Phase II milestones when it commences service will be impossible. In particular, MetroPCS lacks the size necessary to influence the production schedules of handset manufacturers. This will have a significant impact on MetroPCS's ultimate implementation process if industry demand exceeds manufacturers' supply.

Nonetheless, based on the best current information available, MetroPCS has set forth a revised implementation plan that is specific, focused, and limited in scope, with a clear path to full compliance. MetroPCS is utilizing industry and vendor advances in technology to deploy currently available, proven technology for the benefit of its future customers. MetroPCS also has already taken significant steps to achieve its implementation of E911 Phase II services by installing upgraded switches with the most up-to-date technology. MetroPCS thus submits that the modest adjustments to its E911 Phase II implementation schedule proposed above would serve the public interest.

For all of the foregoing reasons, MetroPCS respectfully requests that the Commission grant its request for partial waiver of Section 20.18 of the Commission's rules in order to allow MetroPCS to follow the implementation schedule outlined herein.

Respectfully submitted,

METROPCS, INC.

Lynn R. Charytan
Daniel B. Phythyon

Josh L. Roland

Jonathan H. Siegelbaum*/

WILMER, CUTLER & PICKERING

2445 M Street, N.W.

Washington, D.C. 20037-1420

(202) 663-6000

Counsel for MetroPCS

November 30, 2001

^{*/} Not yet admitted in DC.

ATTACHMENT A

Melinda K. Hudson

From: Sent:

Michael Wallace [mwwallac@qcpi.com] Thursday, November 29, 2001 2:13 PM Melinda K. Hudson

To:

Cc:

vchen; bmusante@qcpi.com; rparker

Subject:

5100 availability

Ms Hudson,

Per your request, with regards to our 5100 availability, please find the following: Kyocera anticipates having commercially available 5100 based phones, for Metro PCS, within the 3rd quarter of 2002. Please contact us with any questions.

Regards,

Michael

ATTACHMENT B

Melinda K. Hudson

From:

dmcguire@audiovox.com

Sent:

Tuesday, November 13, 2001 9:48 PM Melinda K. Hudson

To: Subject:

Re: 5100 availability

Hi Melinda

In response to MetroPCS's request for GPS enabled product from Audiovox, I would like to inform you the following. Audiovox will have 1X, GPS enabled for the first quarter of 2002, However supplies will be very limited. We will probably have commercial availability around end of Jan, 2002 but will not have adequate volumes until Q2. Please get me any projections you may have so that I can try and fulfill small quantities.

Danny McGuire VP Sales Audiovox Comm. Corp.

ATTACHMENT C



November 28, 2001

Ms. Melinda Hudson MetroPCS 84144 Walnut Hill Lane Suite 600 Dallas, TX 75231

Dear Melinda,

The following is the response from our Carrier Insights & Commitments Group in regards to your request for information regarding handset-assisted technology to meet Phase II requirements of Enhanced 9-1-1 (E911). If you have any questions, please give me a call.

Motorola is working to provide MetroPCS terminals and accessories that will provide location functionality per FCC requirements. At this time, it is the opinion that AGPS is the most viable solution to this issue. Motorola's timeframe for developing AGPS equipped / capable terminals is currently the 3Q2002. The actual platform, costs, and method of implementation (via accessory or built-in) are all to be determined. Motorola encourages MetroPCS to offer its observations and inputs to the many aspects of this design.

Sincerely,

Glenn Adams Sr. National Business Manager Motorola (817) 245-4636

ATTACHMENT D

Melinda K. Hudson

From: Sent: Dan Gralak [dgralak@lginfocomm.com] Tuesday, November 27, 2001 4:28 PM

To:

Melinda K. Hudson

Cc:

Stanley Kim; Steve Pincus; Ash Darwish

Subject:

RE: 5100 availability

Melinda,

You are correct. The earliest LG can deliver a handset to Metro PCS that supports A-GPS will be October 1st, 2002.

Best regards,

Dan Gralak VP of Sales LG InfoComm USA

Office: 858-635-5230 Fax: 858-635-5399 PCS: 619-794-8712

> availability of a handset which supports A-GPS (5100 chipset), will > not be available to MetroPCS for commercial launch until approximately > October 1, 2002.

> Please understand that this information will be used as part of our > filing for a waiver with regard to E911 compliance.

> Thanks.

ATTACHMENT E

Melinda K. Hudson

From:

Rayanna Vloitos (EUS) [EUSRAVL@am1.ericsson.se]

Sent:

Thursday, November 29, 2001 11:13 AM

To:

Melinda K. Hudson

Subject: RE: Hi!

The R610 will be available in June of 2002. I hope that helps- Rayanna

---Original Message---

From: Melinda K. Hudson [SMTP:mhudson@metropcs.com]

Sent: Thursday, November 29, 2001 11:08 AM

To: Rayanna Vloitos (EUS)

Subject:

RE: Hill

Rayanna -

Don't worry about the presentation, Monday will be fine.

Can you please confirm for me the commercial date will be when Sony/Ericsson will have handsets which support A-GPS (5100 chipset) available for MetroPCS?

: Rayanna Vioitos (EUS) [mailto:EUSRAVL@am1.ericsson.se]

Sent: Thursday, November 29, 2001 10:23 AM

To: Melinda K. Hudson Subject: RE: Hi!

The first handset that will have the 5100 chipset will be the R610. I tried sending you the presentation, but apparently it is too big. I will make you copies for our Monday meeting. I am sorry that you did not receive this info sooner. I had no idea that it didn't go through. Please let me know if you have any other questions. I am available all day. Thanks- Rayanna

----Original Message----

From: Melinda K. Hudson [SMTP:mhudson@metropcs.com]

Sent: Thursday, November 29, 2001 10:13 AM

To: EUSRAVL@am1.ericsson.se

Subject:

FW: Hi!

Rayanna -

I need the below information as soon as possible!

Thanks in advance for you help!

Thanks Again,

Melinda

----Original Message----

From: Melinda K. Hudson

Sent: Tuesday, November 27, 2001 3:24 PM

To: 'Rayanna Vloitos (EUS)'

Subject: RE: Hi!

RE: Hi!

Page 2 of 2

thanks, in the meantime.....

Can you please confirm for me when Sony/Ericsson will have handsets which support A-GPS (5100 chipset) available for MetroPCS?

Please understand that this information will be used as part of our filing for a waiver with regard to E911 compliance.

Thanks again.

----Original Message-----

From: Rayanna Vloitos (EUS) [<mailto:EUSRAVL@am1.ericsson.se>]

Sent: Tuesday, November 27, 2001 2:36 PM

To: Melinda K. Hudson Subject: RE: Hil

Thanks- I look forward to our meeting on Monday.

Rayanna Vloitos Sony Ericsson Mobile National Account Manager 972 410 2551 office 972 899 2500 fax 972 567 6716 mobile

----Original Message----

From: Melinda K. Hudson [SMTP:mhudson@metropcs.com]

Sent: Tuesday, November 27, 2001 2:09 PM

To: rayanna.vioitos@ericsson.com

Subject: Hi!

Sorry I didn't get this out to you sooner - got carried away!

My address: Melinda Hudson

MetroPCS

8144 Walnut Hill Lane

Suite 800

Dallas, TX 75231 214-265-2580 office 214-769-0222 mobile 214-265-2569 fax

ATTACHMENT F

Melinda K. Hudson

From:

Seda Albert (NMP/SanDiego) [albert.seda@nokia.com]

Sent: To:

Tuesday, November 27, 2001 10:37 AM

Melinda K. Hudson; Malik Janice (NMP/Tampa) RE: 5100 chip set

Subject:

importance:

High

Hello Melinda,

To clarify our latest changes to our product roadmap. Our initial goal was to introduce a product that supports 1XRTT with Assisted-GPS (A-GPS) by the 4th quarter of 2002. However, after reviewing the business case for that product using our OEM partner and due to the recent waiver grant given to some carriers in the United States, we have decided to pursue our own design. Our initial product 1XRTT with A-GPS capability is now scheduled for 1st quarter of 2003.

If you require further information, please let me know and I will try to accommodate you.

Best regards,

Albert Seda

Regional Customer Development Manager

phone #: 858 831 - 4537 Cell #: 619 507 - 3814

----Original Message----

From: ext Melinda K. Hudson [mailto:mhudson@metropcs.com]

Sent: 27 November, 2001 7:21 AM

To: Seda Albert (NMP/SanDiego); Malik Janice (NMP/Tampa)

Subject: 5100 chip set

As a follow up to your previous email & to clarify my understanding, I correct in stating that you will not have a handset available for MetroPCS which supports A-GPS (5100 chipset) in the year of 2002?

Please understand that this information will be used as part of our filing for a waiver with regard to E911 compliance.

Thanks.

MetroPCS Wireless, Inc.

8144 Wainut Hill Lane

Phone: (214) 265-2550

Fax: (214) 265-2570

Dallas, TX 75231

Suite 800

ATTACHMENT G

#7744 P.002/002

Purchase Order No.

Revision No.

003557

0657

Order Type

10/24/2001 Regular Order

Date Vendor ID

TO: SHIP TO: Brightpoint Kyocera Wireless Corp. 501 Airtech Parkway Kathleen O'Connor Plainfield, IN 46168 10300 Campus Point Drive San Diego, CA 92121 MetroPCS Wireless, Inc. 8144 Walnut Hill Lane Suite 800 Dallas, TX 75231 Phone: (214) 265-2550 Fax: (214) 265-2570

PAGE 1

F.O.B. POINT SHIP VIA				BUYER			
Vendor's Plant		Vendor's Plant					
	ORDER DATE		TERMS				
	10/24/2001			Net:			
LINE	PART NUMBER	QUANTITY	UNITS	DATE REQUIRED	PRICE	EXT. PRICE	
1	65-G8500-02 2235 Handset New	15,000.00	EA	12/15/2001	44		
2	65-68500-02 2235 Handset New	10,000.00	EA	1/7/2002			
3	TKACJ10003 2235 FRU Unit	600.00	EA	12/15/2001	1		
4	TKACJ10003 2235 FRU Unit	500.00	EA	12/15/2001			

11/26/2001 14:59

ATTACHMENT H



Emergency Communications Department 1011 Turk Street, San Francisco, CA 94102 Fax (415) 558-3843 (415) 558-3800



Thera Bradshaw, Executive Director

Willie L. Brown, Jr. Mayor

August 14, 2001

RE: Phase I and Phase II Wireless E9-1-1 Service Request

Mr. John Lister Vice President, General Manager Metro PCS 1030 Marina Village Parkway, 4th Floor Alameda, Calif. 94501

5105780384

Dear Mr. Lister:

The City and County of San Francisco, in accordance with Federal Communications Commission (FCC) Order 94-102 and the State of California's statewide request letter mailed on March 30, 2001 (attached), hereby notifies Metro PCS of our intent to implement Phase I and Phase II wireless enhanced 9-1-1 (E9-1-1) direct routing to CCSF's local PSAP from selected areas in the City and County of San Francisco. This letter serves as our official request to deploy Phases I/II and start the process of implementing wireless E9-1-1 in San Francisco.

We, the City & County of San Francisco (CCSF), the State Department of General Services (DGS) and California Highway Patrol (CHP) have scheduled a planning meeting on Tuesday, August 28, 2001 at 10:00 a.m., for all wireless carriers, our local exchange carrier Pacific Bell, and our equipment vendors. The agenda is to bring all stakeholders together as our wiveless E9-1-1 implementation team and develop the plan including our PSAP's network and technical issues.

For the past two months, CCSF and CHP have worked with wireless service providers to identify which cell site/sectors serving San Francisco are direct routing candidates to our local PSAP. The attached map highlights the boundaries we have identified. Calls originating from cells sites/sectors within CCSF's outlined area will be routed to our local PSAP for Wireless E9-1-1 service. All other calls within CCSF limits will continue to route to CHP's Golden Gate Communications Center in Vallejo over the public switched telephone network (PSTN) until such time that another such notification is submitted by the State.

Please provide Jo Ann Hicks and John Marengo with the names, address and telephone number of the responsible individual within your organization who will be your Project Lead on CCSF's wireless E9-1-1 implementation. Confirmation of attendance at this very important kickoff meeting is essential and your participation will insure that we are doing our part to assist Metro PCS with your implementation plans. We expect to discuss such issues as timelines for deployment, responsibilities of all stakeholders and the characteristics of the location technology that you have selected.

Jo Ann Hicks, Planning Project Manager, Emergency Communications Department is CCSF's contact for all phases of our implementation project. Jo Ann can be contacted at 415 558-3831, email joann hicks@cl.sf.ca.us. John Marengo, System Manager with DGS is primary contact for California's State Wide Wireless E9-1-1 project, which includes CCSF. John can be reached at 916 657-9236, email <u>John.Marengo@dgs.ca.gov</u>. Sue Wright, 9-1-1 Program Manager, CHP is the state's point of contact for wireless 9-1-1 direct routing coordination and primary CHP point of contact for all phases of E9-1-1 implementation. Sue can be reached at 916 375-2911, email suewright@chp.ca.gov. We the City and County of San Francisco, State Department of General Services and California Highway Patrol look forward to the opportunity of working with you on this project to better serve San Francisco on wireless E9-1-1 calis for help.

In the best interest of the people of California and those served by the City and County of San Francisco our three agencies agree to partner together to implement wireless 9-1-1 and wireless E9-1-1 for the City and County of San Francisco's local PSAP.

Thera Readshaw, Executive Director

City and County of San Francisco Emergency Communications Department

Barry R. Hemphilly Deputy Director

State of Cabicornia Department of General Services

D.O. Helmick, Commissioner

Department of the California Highway Patrol

Attachments: As Stated

CC: Mayor Willie L. Brown, Jr., City & County of San Francisco

Chief Fred Lau, San Francisco Police Department

Chief Mario Trevino, San Francisco Fire Department

Jo Ann Hicks, Emergency Communications Department Technologies Project Manager

Liza Lowery Executive Director, Department Telecommunications Information Services

Daphne Rhoe, State of California Department of General Services, 9-1-1 Program Office

John Marengo, State of California Department of General Services, 9-1-1 Program Office

Chief Mike Peterson California Highway Patrol Golden Gate Division

Captain James Cahoon Commander California Highway Patrol Golden Gate Communications Center

Lieutenant R. 1. Chappelle Commander California Highway Patrol Telecommunications Section

Sue Wright, California Highway Patrol, 9-1-1 Program Manager

Chairman Michael K. Powell, FCC

Thomas J. Sugrue, Chief, FCC Wireless Bureau

William Hinkle, Chairman, APCO Project LOCATE

H. W. "Woody" Glover, APCO International, Inc.

Jack Keating, Past President, APCO

Susan Pedersen, Cellular Carriers Association of California

Patti Bell, Pacific Bell

Jaime Lim, Positron

AT&T Wireless

Cingular Wireless

Nextel Communications

Sprint PCS

Verizon-Wireless

Tibuton

METROPOLITAN DADE COUNTY, FLORIDA



METRO-DADE POLICE DEPARTMENT COMMUNICATIONS BUREAU 5680 S.W. 87TH AVENUE MIAMI, FLORIDA 33173-1699

November 6, 2001

Mr. Steven J. Madson, Sr. Director of Network Engineering MetroPCS, Inc. 1401 NW 136 Avenue, Suite 304 Sunrise, Florida 33323

Dear Mr. Madson:

As the E9-1-1 Coordinator for Miami-Dade County, I would like to take this opportunity to welcome your company to the South Florida business market. Pursuant to your request regarding E9-1-1 service in Miami-Dade County, the following information is provided to assist you in working cooperatively with the involved local agencies. We have enclosed a partial map of the county detailing the five municipality Public Safety Answering Points (PSAPs) operating within Miami-Dade County; City of Miami, City of Miami Beach, City of Hialeah, Village of Pinecrest, and City of Coral Gables. All other locations default to the Miami-Dade Police Department's 9-1-1 Center.

Pursuant to Florida State Statute 365.171, the current fee of \$.50 is to be collected from all wireline telephone service subscribers in Miami-Dade County per month, per access line, to generate the funds necessary to fund E9-1-1 expenditures. Miami-Dade County Ordinance 99-137 enables us to collect these fees in accordance with the Miami-Dade County operating budget.

Miami-Dade County does not currently require a 911 service agreement. We request that you provide us with an accounting of the access lines you have in service, by month, since the inception of your service, or upon commencement of services in Miami-Dade County, to the above address. These numbers should be broken down by selective routing to the six PSAPs. A copy of this monthly accounting of access lines and the actual payment, made payable to "Miami-Dade County Board of County Commissioners" should be mailed to:

Miami-Dade County Finance Department Stephen P. Clark Center 111 N.W. 1 Street, Suite 2610 Miami, Florida 33128 Attention: Mr. Hector Cuenca (305) 375-5329

Miami-Dade County then disperses the funds to the appropriate PSAP. BellSouth, our LEC, collects the 9-1-1 fee from resellers. Local and/or Network Service Providers are responsible for the aforementioned collection, accounting and submission of monthly reports and fees.

Mr. Steven J. Madson, Sr. November 6, 2001 Page 2

While operating in Miami-Dade County, we require that you maintain a P.01 level of service if you elect to use a platform other than BellSouth. BellSouth recommends a minimum of two trunk lines to start with, and the addition of one trunk for every 5000-8000 additional lines. Also factored into this formula is the use of the Poisson Tables for volume of calls per line. Ms. Val Sapp from BellSouth can give you more information regarding these formulas if necessary. She can be reached at (205) 321-2109 in Birmingham, Alabama.

Below are the contact personnel for the municipal PSAPs in Miami-Dade County. You may desire to contact these individuals to introduce your company if you plan to have service in their jurisdiction. However, all testing of 9-1-1 service, regardless of location, is coordinated by Miami-Dade County.

Don Moore, Major Coral Gables Police Department 2801 Salzedo Street Coral Gables, FL 33134 305-460-5416 305-460-5506 (fax)

Pat Anderson, Captain Miami Police Department 400 NW 2 Avenue Miami, FL 33128 305-579-6192 305-371-5331 (fax)

Pete Skumanich, Lieutenant Pinecrest Police Department 11555 So. Dixie Highway Miami, FL 33156 305-234-2100 305-234-2132 (fax) Luis Diaz, Lieutenant Hialeah Police Department 5555 E. 8 Avenue Hialeah, FL 33013 305-687-2541 305-769-7792 (fax)

Len Alamo, Captain Miami Beach Police Department 1100 Washington Avenue Miami Beach, FL 33139 305-673-7776, ext. 5411 305-673-7456 (fax)

In order to establish a connection with BellSouth, you may use the temporary default ESN of 001. Once we have been apprised of the areas you will be servicing, the appropriate default ESN will be assigned. A "0 MINUS" or operator platform number will not be provided until trunks to the tandem are installed and testing is scheduled with us. Please forward a copy of your test plans to Captain Jesse Varnell at the above address or via E-Mail to JVarnell@MDPD.com. Also include in your correspondence; 7 days a week/24 hours a day contact numbers, the name and address of contact personnel for subpoena compliance issues and for tax/accounting issues, and your proposed procedures for maintaining an up-to-date MSAG data base e.g., error correction, new entries, time frames for updating, and a contact person for data base issues.

As you may be aware of, legislation regarding wireless providers and fees has recently been enacted by the state legislature. Pursuant to Florida Statutes 365.172, 365.173 and 365.174, the current fee of \$.50 is to be collected from all wireless telephone service subscribers in the State of Florida per month, per line, to generate the funds necessary to fund E9-1-I expenditures.

Mr. Steven J. Madson, Sr. November 6, 2001 Page 3

If you intend on initiating wireless service, need to coordinate testing, or have further questions regarding Miami-Dade County E9-1-1 operations, please contact Captain Varnell, Assistant 9-1-1 Coordinator, at telephone number (305) 596-8180.

Sincerely,

Commander

Enclosures:

(1) Map of Miami-Dade County showing the municipality PSAPs

(2) Miami-Dade County Ordinance 99-137

(3) Miami-Dade County Operating Budget excerpt regarding 9-1-1 (4) Copy of Florida Statutes 365.171, 365.172, 365.173, 365.174

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WILLIAM E. CLEMENT SHERIFF OF CHARLOTTE COUNTY

7474 UTILITIES ROAD PUNTA GORDA, FLORIDA 33982 (941) 639-2101

Steven J. Madson Sr. Director of Network Engineering MetroPCS-Florida Region 1401 NW 136th Ave Suite 304 Sunrise, F1 33323

Mr. Madson

Charlotte County is E 9-1-1 Phase One ready. At this time we are requesting service to be delivered to this county.

Attached is a Phase One service order form. Please fill out the Carrier section and return to this office for completion.

Sincerely

Charlotte County E 9-1-1 Coordinator

7474 Utilities Rd

Punta Gorda, Fl 33982

(941) 575-5339